UDIO-VIDEO STEREO RECEIVER

# KR-V126R
# KR-V106R
# KR-V86R

# NSTRUCTION MANUAL

KENWOOD

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89/12 11 10 9 8 7 6

**For your records**

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.
Model _____ Serial Number: _____

**Unpacking**

Unpack the unit carefully and make sure that all accessories are put aside so they will not be lost.
Examine the unit for any possibility of shipping damage. If your unit is damaged or fails to operate, notify your dealer immediately. If your unit was shipped to you directly, notify the shipping company without delay. Only the consignee (the person or company receiving the unit) can file a claim against the carrier for shipping damage.
We recommend that you retain the original carton and packing materials for use should you transport or ship the unit in the future.

## Before operation

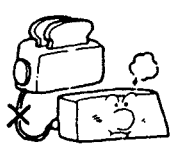
### Safety precautions

Never remove the case. If the internal parts are touched accidentally, a serious electric shock might occur.

Never touch internal parts.

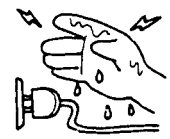
If a metal object, such as a hair pin or a needle, comes into contact with the power socket on the rear panel, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this unit.

Do not connect other audio equipment with a power consumption larger than that specified to the AC outlet on the rear panel. Never connect other electrical appliances, such as an iron or toaster.



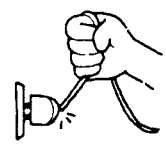
Never connect other electrical appliances.

Touching the power plug when your hands are wet may result in a serious electric shock.



Never touch with wet hands.

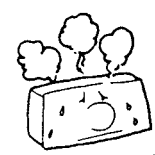
Never pull, bend or extend the power cord. This could damage the power cord, resulting in a broken cord or short-circuit.



Never pull or stretch the cord.

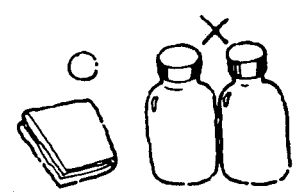
### In case of abnormal smell

If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service station.



### Cleaning

Do not use volatile solvents such as alcohol, paint thinner, gasoline, benzine, etc. to clean the cabinet. Use a silicone cloth or a clean dry cloth.



Silicone cloth Thinner Benzine

### Installation precautions

a) Avoid locations subject to direct sunlight.
b) Avoid high or low temperature extremes.
c) Keep the unit away from heat radiating sources.
d) Choose a location that is relatively free of vibration or excessive dust.
e) Make sure power is off before making any system connections.

# Before applying power

## IMPORTANT!

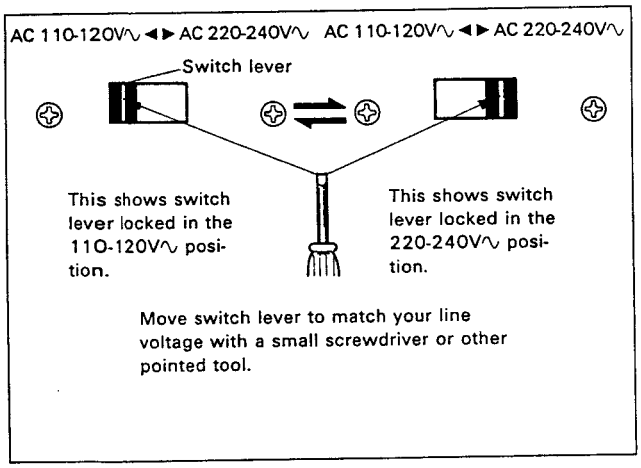
**U.S.A.**
Units shipped to the U.S.A. are designed for operation on 120 volts AC only. These units are not equipped with an AC voltage selector switch and the discussion of such a switch that follows should be disregarded.

**All other countries**
Units shipped to countries other than above countries are equipped with an AC voltage selector switch on the rear panel. Refer to the following paragraph for the proper setting of this switch.

### AC voltage selection

These units operates on 110-120 volts or 220-240 volts AC. The AC voltage selector switch is set to the voltage that prevails in the area to whcih the units is shipped. Before connecting the power cord to your AC outlet, make sure that the setting position of this switch matches your line voltage. If not, it must be set to your voltage in accordance with the following direction.

**Note:**
Our warranty does not cover damage caused by excessive one voltage due to improper setting of the AC voltage selector switch.


AC 110-120V~ ◄► AC 220-240V~
AC 110-120V~ ◄► AC 220-240V~
Switch lever
This shows switch lever locked in the 110-120V~ position.
This shows switch lever locked in the 220-240V~ position.
Move switch lever to match your line voltage with a small screwdriver or other pointed tool.

### Safety precaution for AC plug

**CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

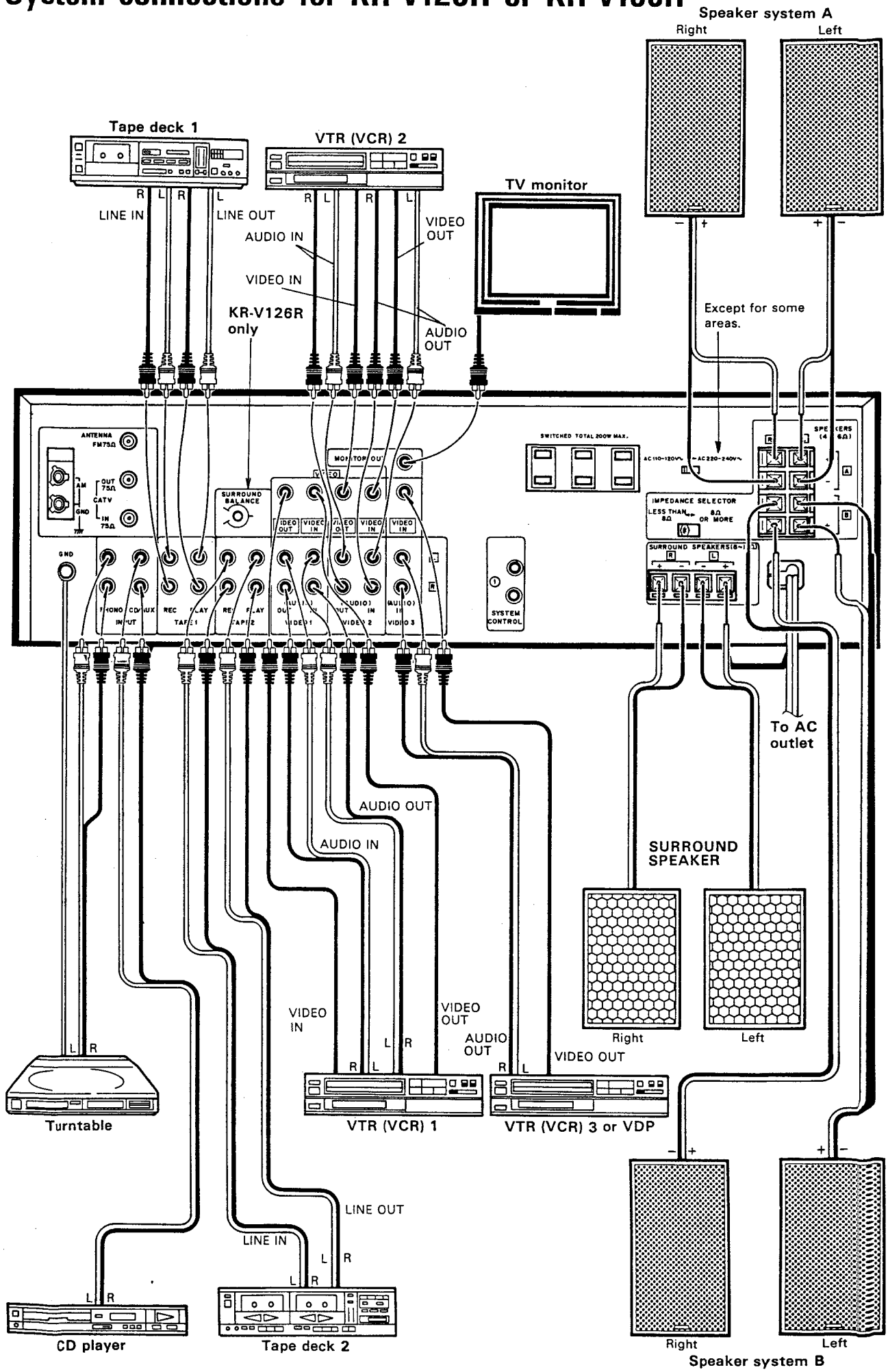
**Note to CATV system installer:**
This reminder is provided to call the CATV system installer's attention to Article 820 -22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

**WARNING:**
TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

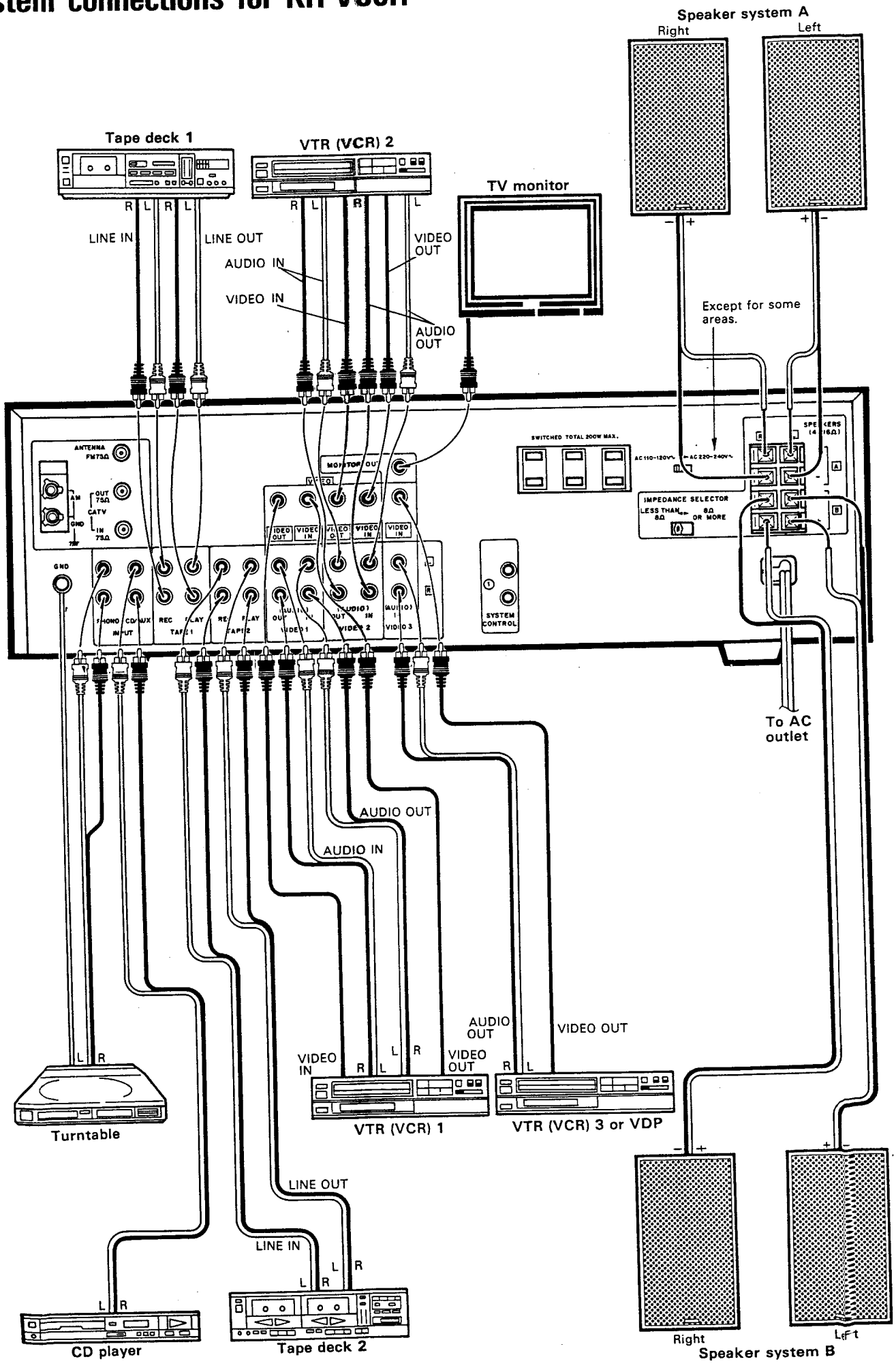
# Safety precautions

| | |
|---|---|
| **CAUTION**<br>RISK OF ELECTRIC SHOCK<br>DO NOT OPEN | CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. |
| | The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. |
| | The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. |

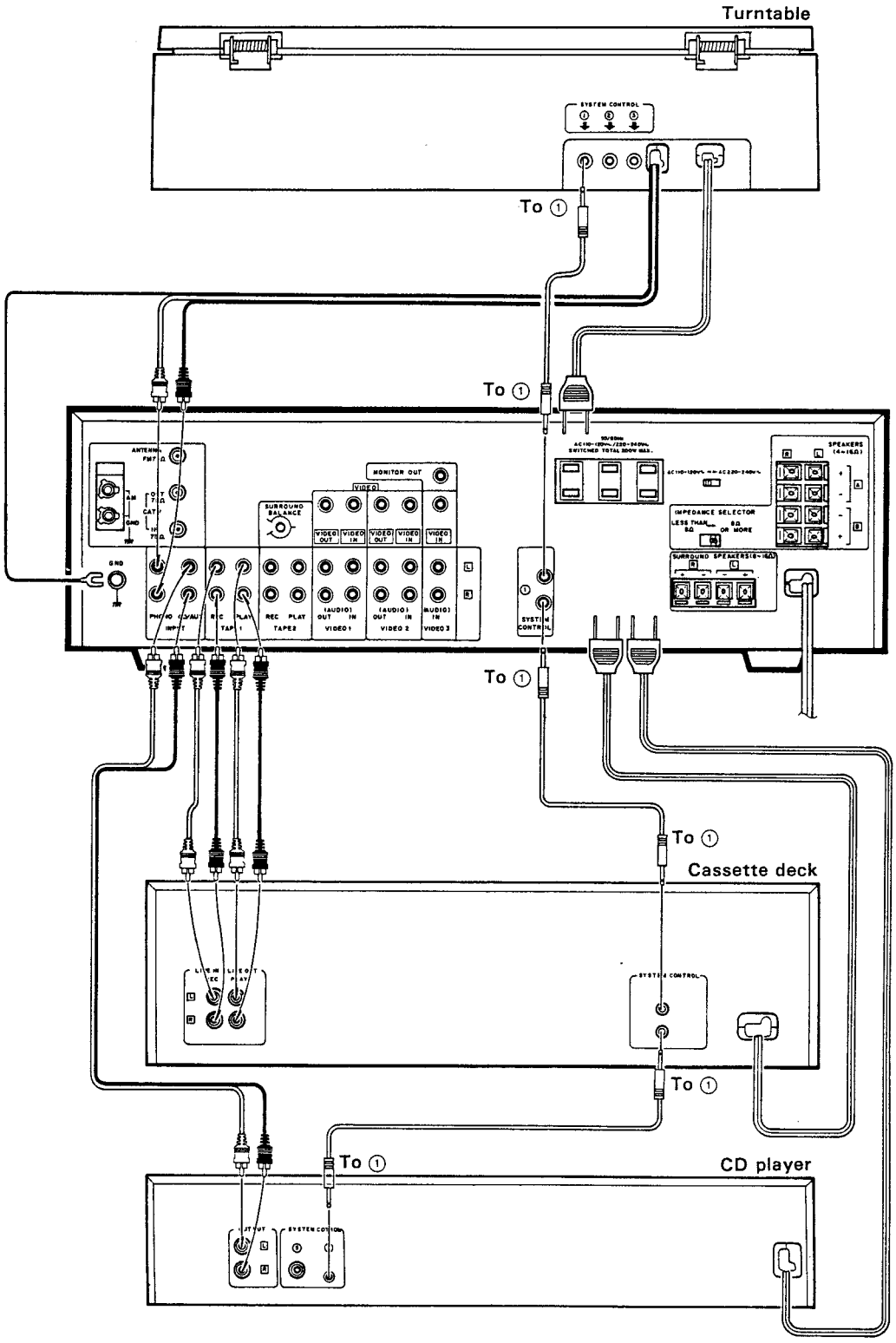
# System connections for KR-V126R or KR-V106R



# System connections for KR-V86R



# System control connection for KR-V126R, KR-V106R and KR-V86R




### SYSTEM CONTROL terminals

When the turntable, tape deck or CD player are used in connection with the receiver, they can be operated from the remote control unit of the receiver when their SYSTEM CONTROL terminals are connected to the SYSTEM CONTROL terminals. (Ordinary audio cable connections are also required.) For details, refer to the operating instructions for the remote control unit on page 20 and SYSTEM CONTROL operation on page 19.

## SPEAKERS terminals

This unit has two pairs of speaker terminals, SPEAKERS A and SPEAKERS B.

**Connecting one speaker system**

Connect speakers rated at 4 ohms or more to the SPEAKERS A terminals.

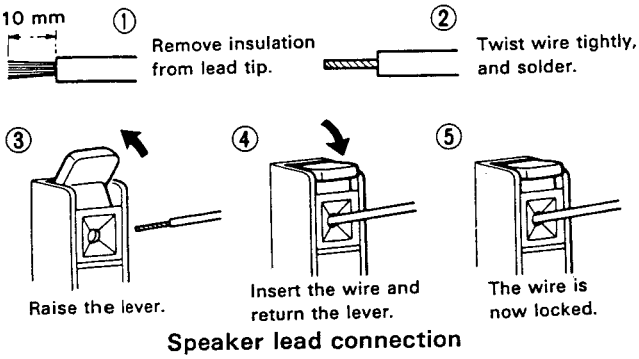
**Connecting two speaker systems**

To connect an additional pair of speakers, use the B terminals. In this case, each speaker must be rated at 8 ohms or more.

**Connection with speaker cords**

1. Connect the left speaker to the [L] SPEAKERS terminals and the right speaker to the [R] SPEAKERS terminals.
2. Be careful that wires do not contact adjacent terminals.
3. Be sure to connect the (+) terminal of the speaker to the (+) terminal of the unit.
   Never short the (+) and (−) terminals.

Erroneous connection of speakers may result in poor imaging or unnatural sound.

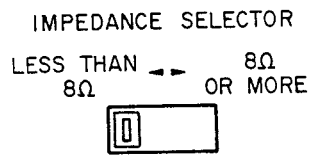



**Speaker lead connection**

## Setting speaker IMPEDANCE SELECTOR

When connecting one pair of speakers to the SPEAKERS A or B terminals, set the IMPEDANCE SELECTOR according to the speaker impedance.

When two pairs of speakers are connected to both the A and B terminals, match the speaker impedance to the speakers with the lowest.




**Note:**

1. During speaker system connection and operation of SPEAKER IMPEDANCE SELECTOR, set the POWER switch to OFF.
2. Check that the connected lead wires of the speaker systems do not contact with other jacks or terminals.

## SURROUND SPEAKER terminals (KR-V126R/KR-V106R)

Connect speakers having an impedance of between 8 ohms and 16 ohms, and place them to the left and right behind the listening position.

## PHONO jacks

The PHONO jacks of the unit can be connected to MM cartridge. (KR-V126R has a MC Cartridge Selector.)

Your stereo turntable has RCA pin-plug cords that is terminated with phono plugs. Plug the left channel plug into the [L] and the right channel plug into the [R] PHONO jacks.

If the turntable has a ground wire, connect it to the unit's GND terminal to avoid hum.

## CD/AUX jacks

To these jacks, high-level signal sources such as, CD player, tuner, extra tape decks, TV, VCR sound outputs, etc. can be connected.

## GND (Ground)

For maximum safety and minimum interference connect the GND terminal to a good earth ground if practicable. A good earth ground is a metal stake driven into moist earth. However, never use a gas pipe for this purpose.

## TAPE jacks

### TAPE 1

If only one tape deck is to be connected to the system it is recommended that it be connected to the jacks marked TAPE 1.

### TAPE 2

If the tape deck is equipped with a 3 head system, the simultaneous monitoring can be done.

Tape deck input and output cables are normally terminated with RCA Pin plug.

**Playback**

Connect the unit's PLAY [L] and [R] jacks to the cassette deck's output terminals.

**Record**

Connect the unit's REC [L] and [R] jacks to the cassette deck's input terminals.

## VIDEO (Audio/Video) jacks

Three video recorders can be connected to the VIDEO 1, VIDEO 2 and VIDEO 3 jacks.

**Playback**

Connect the unit's VIDEO IN jack to the video recorder's video output terminal.

Connect the unit's AUDIO IN [L] and [R] jacks to the video recorder's audio output terminals.

**Record**

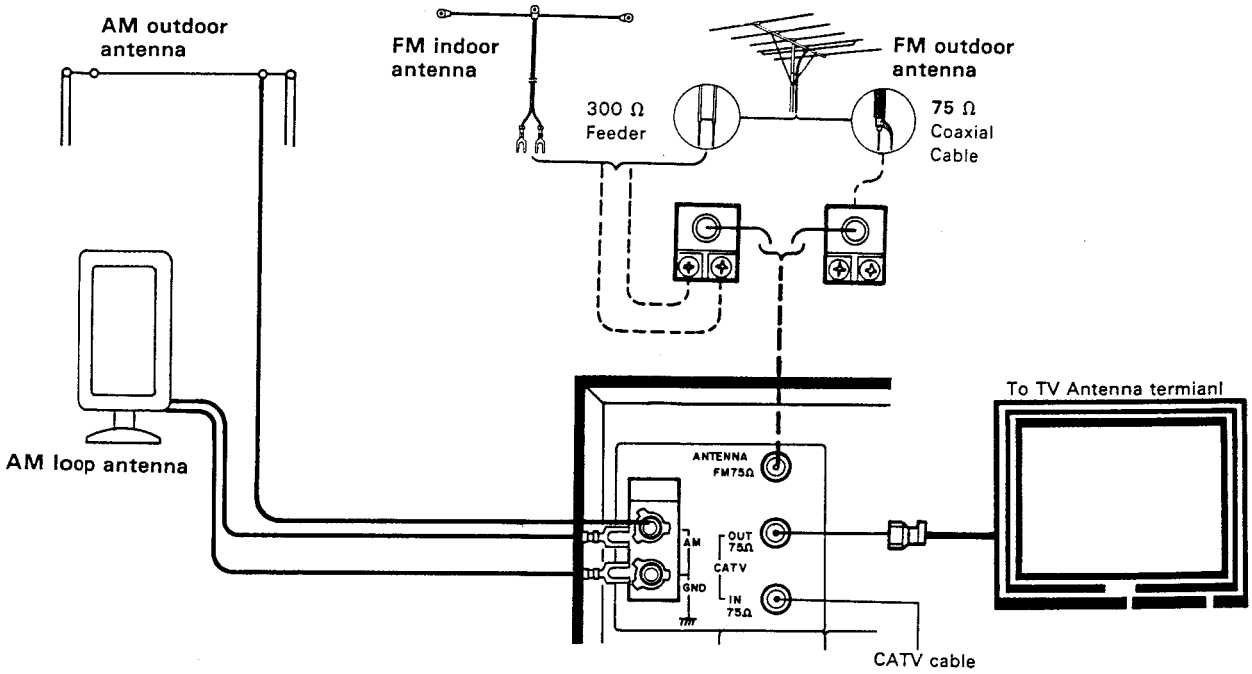
Connect the unit's VIDEO OUT jack to the video recorder's video input terminal.

Connect the unit's AUDIO OUT [L] and [R] jacks to the video recorder's audio input terminals.

## MONITOR OUT jack

Video monitor can be connected to the MONITOR OUT jack. (The video monitor or TV should be equipped with video input terminals.)

# ANTENNA connections




## CATV cable

Connect as shown in the figure. When connecting a CATV receiving unit, be careful of the following items.

- If the signal at CATV IN terminal is weak, pulsating noise or blinking picture may result on the television connected to the CATV OUT terminal. If this happens, connect a CATV booster amplifier to the CATV IN terminal to strengthen the signal.
- Before connecting this unit to the CATV system, consult the cable company.
- When a CATV broadcast which is currently being received with this unit is different from that received with the TV receiver, the picture or sound may be distorted.

## AM antennas

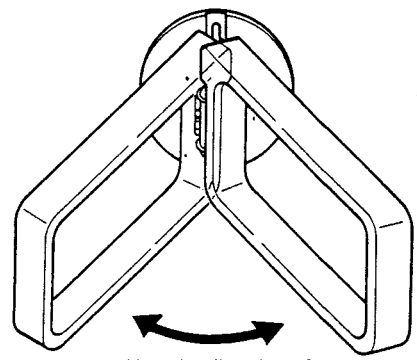
### AM loop antenna

Install the AM loop antenna to the supplied loop antenna stand and place them on a shelf, etc., or install them in the rack or wall with screws.

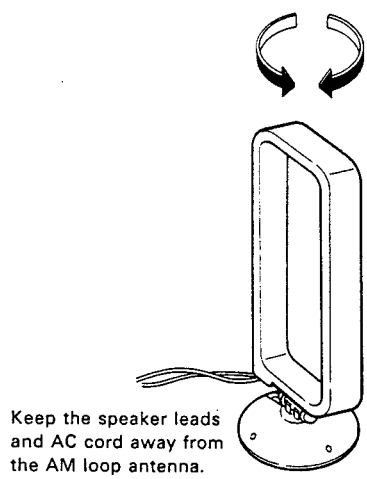
Rotate the AM loop antenna to the right or left for best reception.

**Note:**

Do not place the AM loop antenna on the unit. As this unit employs computing device, placing the AM loop antenna on the unit may result in noise generation. Place the AM loop antenna away from the unit.




AM loop antenna




AM loop antenna holder

### AM outdoor antenna

In steel buildings or at a great distance from the transmitter, it may be necessary to install an outside long wire antenna. The end of this wire should be stripped of insulation and connected to the AM terminal. At this time, keep the loop antenna connected.

### FM indoor antenna

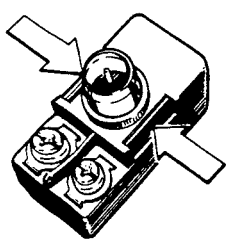
Connect the T-shaped indoor antenna (supplied) to the 300Ω FM ANTENNA terminals as shown in the antenna connections diagram. Spread the two arms that form the top of the "T" horizontally and hold them against convenient wall surfaces. Try several locations for best results on your favorite stations. Tape the antenna in place where the best compromise is found between listening results and appearance.

### FM outdoor antenna

Consult with your dealer or service man about the best method of selecting and erecting an outdoor FM antenna. The choice of lead-in (feeder) wire is also important. The flat ribbon-shaped twin lead performs well electrically, is cheaper and is somewhat easier to handle in routing through windows and around rooms. Coaxial cable is more expensive, does a much better job of minimizing interference, is less prone to the effects of weather and close-by metal objects, and is nearly as good a signal conductor as the ribbon type wire. The latter is particularly true of foam-type coaxial cables. Coaxial cable is somewhat more difficult to install at the point where the cable enters the building. If coaxial cable is selected, make sure the antenna is designed to drive the type of cable.

### 75Ω coaxial cable connection

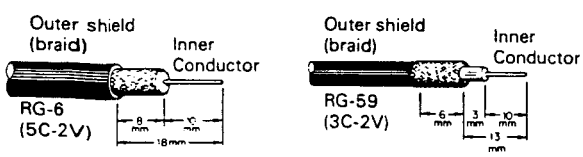
After stripping the end of your coaxial cable, RG-6 or RG-59 mount the supplied 75Ω/300Ω FM antenna adapter on the cable as shown. Then insert the plug into the 75Ω ANTENNA terminal on the rear panel as shown in **Antenna connections diagram.**



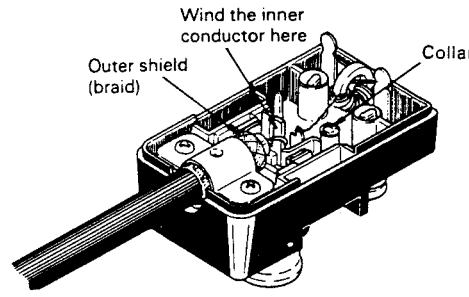
Press the claws in the direction of the arrows with the fingers to release the lock and pull out the cover.

**How to open the 75Ω/300Ω antenna adapter**

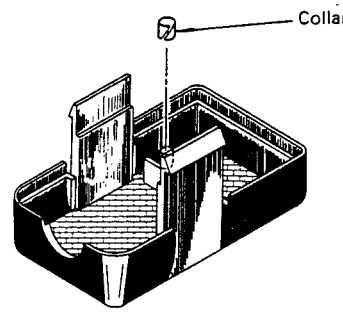
1. Arrange the coaxial cable as illustrated.




2. Connect the processed coaxial cable to 75Ω/300Ω antenna adapter as shown below. In the case of RG-6, insert and wind the inner conductor around the slit. In the case of RG-59, further insert and wind the inner conductor around the slit. Detach the collar in the antenna adapter.




3. Put the collar on the pole in the cover.




**75Ω antenna connection**

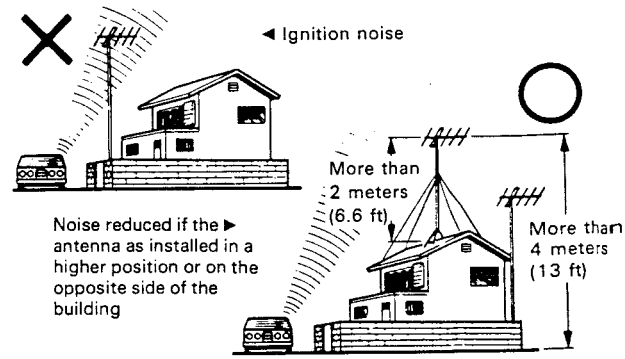
### 300Ω ribbon type cable connection

Although the unit is designed exclusively for use with 75Ω coaxial cable, it can also accept a 300Ω indoor antenna or 300Ω ribbon-type lead-in cable by using the supplied 75Ω/300Ω antenna adapter. Strip the plastic insulation from the wire ends for about 10mm (3/8 inch). Connect the wires to the terminals on the adapter, then insert it into the 75Ω ANTENNA terminal on the rear panel (see **Antenna connections diagram**).

If you connect a 300Ω feeder cable, you need not detach the cover in the 75Ω/300Ω antenna adapter.

**Note:**

A FM outdoor antenna can be connected to the receiver with either a 75Ω coaxial cable or 300Ω ribbon feeder. For proper connection, carefully read the instruction manual for the FM outdoor antenna.


◄ Ignition noise
More than 2 meters (6.6 ft)
Noise reduced if the ► antenna as installed in a higher position or on the opposite side of the building
More than 4 meters (13 ft)

**FM outdoor antenna setting**

### AC outlets (SWITCHED outlets)

The AC outlets on the rear panel of the unit may be used to supply power to other components in the system, such as turntables, tape decks, etc. Never connect equipment whose power consumption exceeds the maximum value shown at each outlet.
The maximum total capacity is 200 watts.

### FM DE-EMPHASIS switch

**(Except some areas)**

This switch has been set to the correct position for a given market area. However, check to see that this switch is set correctly before operating your unit. An incorrect setting will adversely affect high-frequency performance.

Europe and Oceania ..... 50μs
Other countries ..... 75μs

### CHANNEL SPACE switch

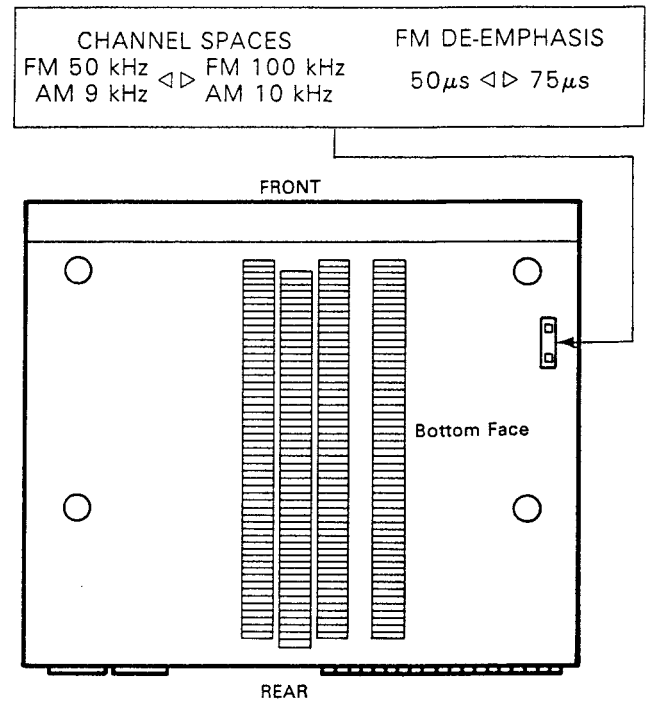
**(Except some areas)**

The CHANNEL SPACE switch on the bottom is set to the correct setting that prevails in the area to which the unit is shipped. However, if the channel space setting is not matched to the area where the unit is to be used; for instance, when you moved from area 1 to area 2 or vice versa, desired reception of AM/FM broadcasts is not expected. In this case, change the CHANNEL SPACE setting in accordance with the area corresponding to the table shown below.

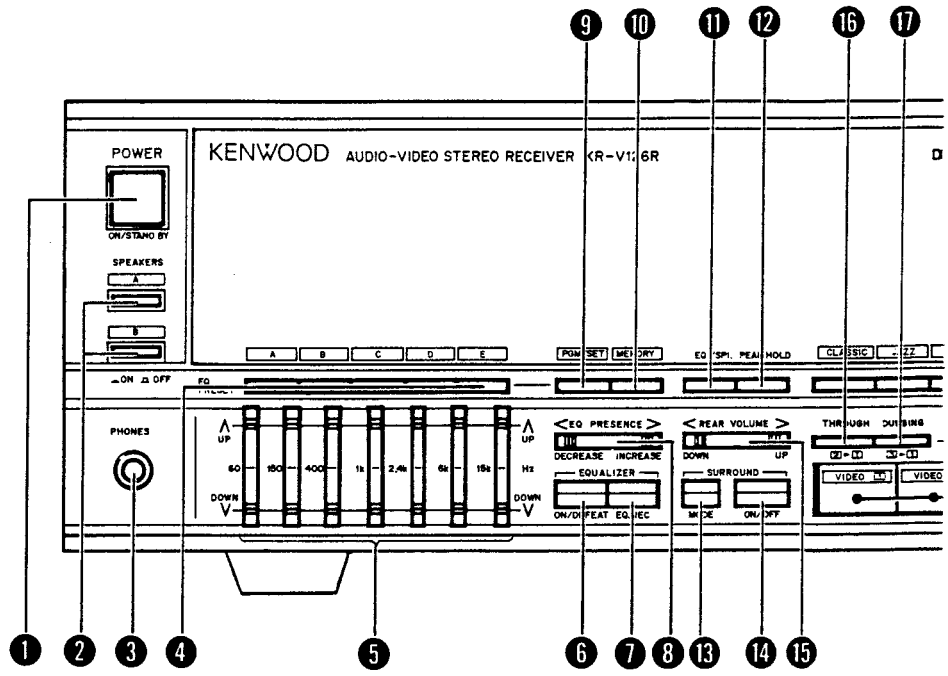
| Area | Channel Space Frq. | |
|---|---|---|
| 1. U.S.A., Canada<br>Hawaii, and Guam | **FM:**<br>**AM:** | 100kHz<br>10kHz |
| 2. European countries<br>Far East countries | **FM:**<br>**AM:** | 50kHz<br>9kHz |

**Channel space table**

**Note:**
When changing the setting of the CHANNEL SPACE switch, first disconnect the power cord, then reset the channel space switch, connect the power cord again, and turn the power on.



# Controls and indicators




**❶ POWER switch**
Press this switch to turn on power. (The POWER STAND BY indicator lights.) Press it again to turn power off.

**❷ SPEAKERS A and B switches**
**A,B OFF** – This position silences all speakers to permit private use of headphones.
**A ON** – Activates speakers connected to the SPEAKERS A terminals on the rear panel.
**B ON** – Activates speakers connected to the SPEAKERS B terminals on the rear panel.
**A,B ON** – Activates speakers connected to the SPEAKERS A and B terminals simultaneously.

**Note:**
When the SPEAKERS A and B switches are used at the same time, the speakers connected to the SPEAKERS A and B terminals are connected in series. In this respect, whenever using the SPEAKERS A and B switches at the same time, be sure that two pairs of speakers are connected to the terminals A and B, otherwise no sound is output.

**❸ PHONES jack**
Stereo headphones are plugged into this jack.

**❹ EQ (Equalizer) PRESET keys**
Use these keys to store equalizer curves in memory or to recall them.
**PGM:** User-adjusted equalizer curves can be programmed as desired and stored in memory; up to five patterns.
**SET:** Five factory-preset equalizer curves are stored in memory.
Up to 10 equalizer curve memories are available in total. Press the PGM/SET key to select either the user-programmed pattern or the factory-preset pattern.

**❺ Equalizer level controls**
Adjust these controls up and down to equalize the sound by ±12 dB to the center frequency indicated.

**❻ EQUALIZER key**
Press this switch to ON and the frequency characteristic will be modified by passing through the graphic equalizer. In the DEFEAT position, the frequency characteristic remains unchanged.

**❼ EQ REC key**
Used when recording the source onto the tape deck through the equalized response of the graphic equalizer.

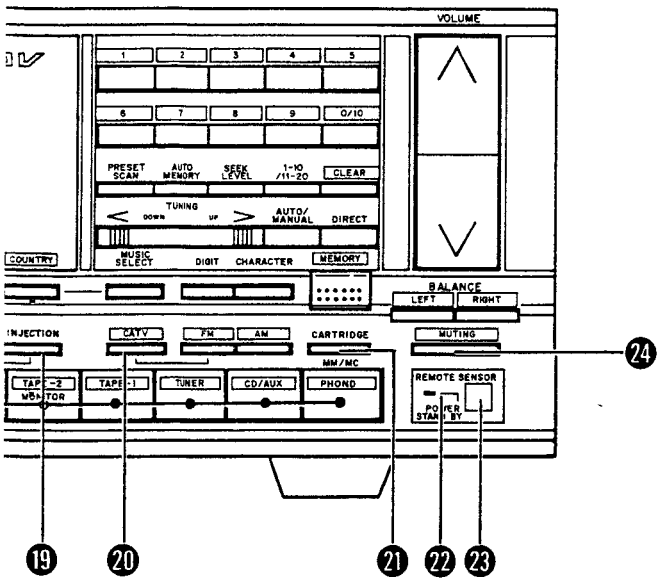
**❽ EQ PRESENCE controls**
Adjust these controls (INCREASE and DECREASE) to boost or attenuate the equalizer curve indicated.

**❾ PGM/SET key**
Pressing this key alternates the preset equalizer curves to be recalled between PGM (user-programmed patterns) and SET (factory-preset patterns) groups.

**❿ Equalizer preset MEMORY key**
This key is used to store an equalizer curve into the PGM PRESET memories. First, select the desired equalizer curve and then press this key. Then press any of the PRESET (A to E) keys. The selected equalizer curve will be stored in the memory indicated by the PRESET key pressed.

**⓫ EQ/SPI key (KR-V126R/KR-V106R)**
Pressing this key alternates the display mode between the EQ (graphic equalizer) and SPI (spectram peak indicator-spectrum analyzer).

**⓬ PEAK HOLD ON/OFF key (KR-V126R/KR-V106R)**
In the spectrum analyzer display (SPI) mode, pressing this key activate or deactivate the Peak Hold function of the power meter indicator.




### ⑬ SURROUND MODE switch (KR-V126R)

Select the desired surround mode with this switch when the SURROUND ON/OFF switch is set to ON. Each time this switch is pressed, DOLBY, THEATER or STADIUM surround mode is selected in turn cyclical.
This becomes the recall function when the surround function is not displayed. When this key is pressed with the surround function displayed, the mode is changed.

### ⑭ SURROUND ON/OFF switch (KR-V126R/KR-V106R)

Press this switch to activate or deactivate the surround output.
In the KR-V106R, STADIUM mode is automatically entered when this key is pressed.

### ⑮ REAR VOLUME controls (KR-V126R/KR-V106R)

Adjusts front/rear balancing when surround speakers are used. The control range is ±20 dB of the front speaker level.

### ⑯ THROUGH DUBBING [2] ▶ [1] key

This activate the through dubbing from VIDEO 2 to VIDEO 1.

### ⑰ THROUGH DUBBING [3] ▶ [1] key

This activate the through dubbing from VIDEO 3 to VIDEO 1.

**Note:**
Pressing the THROUGH DUBBING key twice will resume the previous mode.

### ⑱ Input selector switches

**VIDEO 1** – Selects the video recorders connected to the VIDEO 1 jacks.
**VIDEO 2** – Select the video recorders connected to the VIDEO 2 jacks.
**VIDEO 3** – Select the video recorders connected to the VIDEO 3 jacks.
**TAPE 1** – Press this switch to play back a tape deck connected to TAPE 1 jacks.
**TAPE 2** – Press this switch to play back a tape deck connected to the TAPE 2 jacks. (The TAPE-2 switch is operated in priority to any other audio input systems.)
**TUNER** – Selects the tuner mode.
**CD/AUX** – Selects the source connected to the CD/AUX jacks.
**PHONO** – Selects the program source played on the turntable.

### ⑲ AUDIO INJECTION switch

Press this switch ON when replacing the sound of VIDEO 1, 2 with that of AUDIO source, or when the sound equalized by graphic equalizer is required on dubbing between VIDEO sources.

### ⑳ CATV ON/OFF switch

Press this switch to select FM 75Ω or CATV 75Ω antenna line.

### ㉑ CARTRIDGE selector switch (KR-V126R)

This switch is used to select the type of cartridge of the turntable connected.
**MM** – When using an MM (moving magnet) and an high output MC (moving coil) cartridge, set the switch to this position.
**MC** – When using an MC cartridge set the switch to this position.

### ㉒ REMOTE POWER STAND BY indicator

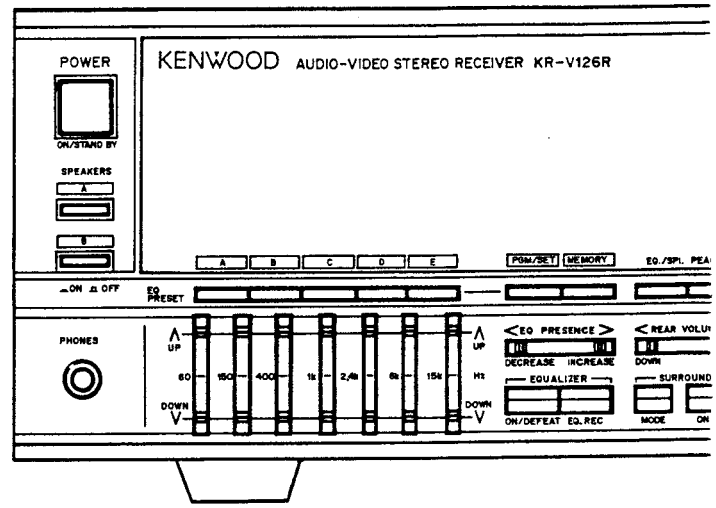
This indicator lights so far as the power cord is plugged into the AC outlet. It is lit to show that the POWER switch on the front panel or the POWER key on the remote control unit can be activated.

### ㉓ REMOTE SENSOR

Point the supplied remote control unit towards this sensor and operate. It blinks when the signal from the remote control unit is received.

### ㉔ MUTING key

When the muting key is pressed, the MUTING indicator in the display window will flash, and the overall listening sound level is reduced.
When the key is pressed again, you can restore exactly the same listening level as before.




**㉕ BALANCE controls**
Governs the amount of sound coming from each paired speakers to get optimum stereo effect. Pressing the RIGHT key will decrease the left channel volume and pressing the LEFT key will decrease the right channel volume. When the BALANCE controls is pressed, display window shows the BALANCE indicator.
In the KR-V126R and KR-V106R, the balance of the rear speakers are controlled at the same time.

**㉖ VOLUME controls**
This control adjusts the left- and right-channel volumes simultaneously. Set it for the desired listening level. Pressing the up (Λ) key increases the volume and pressing the down (V) key decreases it.
In the KR-V126R and KR-V106R, the volume level of the rear speakers are controlled at the same time.

**Note:**
A slight noise is heard from the speakers when operating the VOLUME controls. This noise is the built-in microprocessor control signal and is not a fault.

**㉗ Preset (numeric) keys**
Use these keys to:
1) input directly the digits of frequencies, or
2) store and recall frequencies in the preset memory.

**㉘ DIRECT key**
Used to tune to the station directly. Input the desired frequency numerics with the numeric keys after pressing the DIRECT key.

**㉙ AUTO/MANUAL (MONO) key**
When this key is pressed, the AUTO indicator will light. The frequency will automatically stop at a station in automatic tuning mode. When a stereo broadcast is received, the output sound is automatically changed to stereo.

**㉚ TUNING key**
Used to change the frequency. Pressing UP side will advance to the higher frequency and pressing DOWN side to the lower frequency.
In the station name input mode, this key is used to select the character.

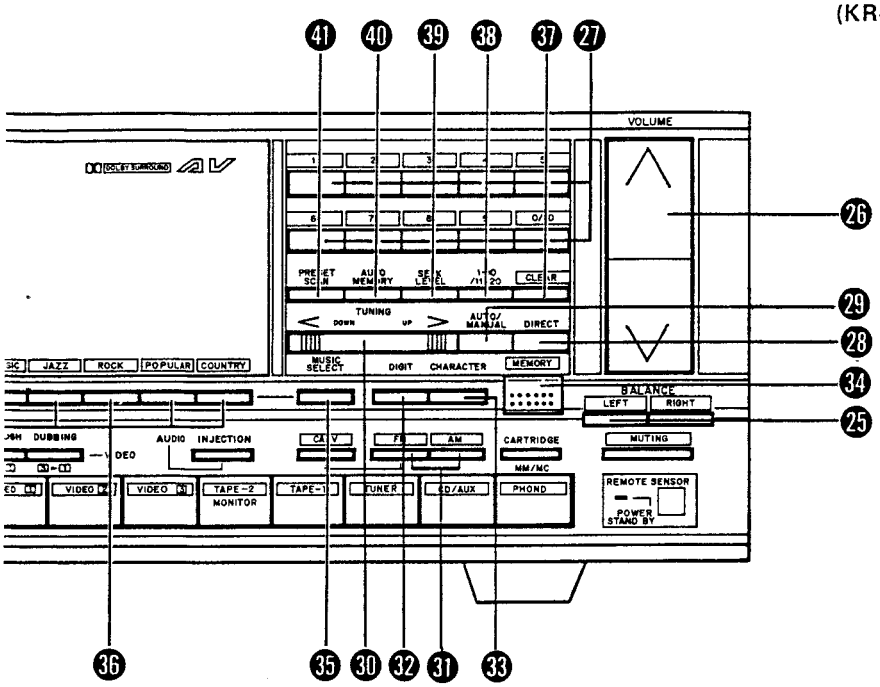
**㉛ BAND selector switches**
**FM** – For FM broadcasts.
**AM** – For AM broadcasts.

**㉜ DIGIT SELECT key**
In the station name input mode, pressing this key advances the column after selecting the character with the Tuning UP/DOWN key. When this operation is repeated four time, the station name input mode will be released automatically.

**㉝ CHARACTER MODE key**
Press this key to activate the station name input mode.

**㉞ MEMORY key**
When the input mode is tuner mode, use this button to store new broudcast station data in the preset channel memory. By pressing the MEMORY key, setting the preset function key to 1-10 or 11-20 and by pressing one of the PRESET 10 key, the frequency being received is stored in the memory in the preset 10 key pressed.

(KR-V126R)




### 35 MUSIC SELECT key
Pressing this key alternates between the Music Select mode and the Preset indicator mode.

### 36 MUSIC genre key
In the Preset indicator mode, a desired music genre can be stored into each Preset Channel memory button. In the Music select mode, this key is also used to select the music genre.

### 37 CLEAR key
Used to clear the contents stored in the preset channel memory. After recalling the preset channel to be cleared, pressing this key will clear the memorized contents.

### 38 Preset function (1-10/11-20) key
Used to select 1-10 or 11-20 setting for the preset channel key. In either FM or AM mode, 20 stations can be preset as random as each setting ("1-10" or "11-20") can contain 10 preset stations. Indicator "1-10" lights when "1-10" setting is used, and indicator "11-20" lights when "11-20" setting is used.

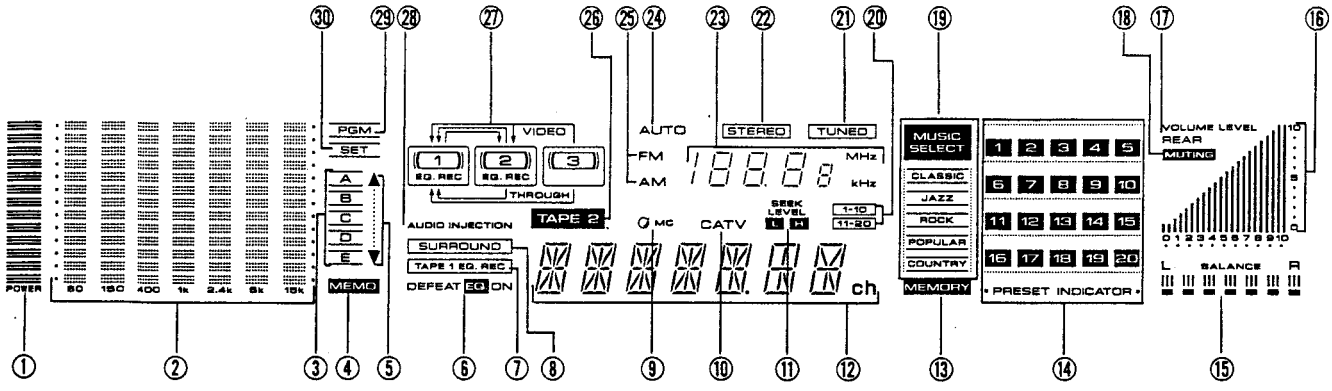
### 39 SEEK LEVEL select key (During FM reception only)
Used to select the stop level. When "L" is selected, the Auto Stop and Auto Memory functions are possible even for the weak-signal stations. When "H" is selected, the Auto Stop/Auto Memory functions are performed only for the stations having strong signal. Pressing this key alternates between "L" and "H".

### 40 AUTO MEMORY key
When this key is pressed ON, the station frequencies will be scanned and stored into the Preset Channels automatically. Scanning operation is performed from the displayed frequency to the higher range and finished after one cycle is over with the receiving band. During Auto Memory operation, the Memory indicator blinks. To release it, press the AUTO MEMORY key again.

### 41 PRESET SCAN key
Use this key for preset channel scanning.
When a frequency stored in the preset memory is being received, pressing this key shifts the reception to the next frequency stored in the preset memory. (The preset channels are scanned in the order 1, 2,..... 11, 12,..... 20.)
When frequencies other than those stored in the preset memory received, pressing this key changes the reception to the frequency in preset channel 1.

- To stop a scanning operation, press the SCAN key again.
- In MUSIC SELECT mode, a preset scanning operation is performed within the music genre selected.

## ㊷ Display window




① Display the power level display.
② In graphic equalizer mode, displays the equalizer level display, the music spectrum analyzer display and peak hold display.
③ Displays when storing or recalling equalizer preset channel in memory.
④ This indicator lights when the Memory (EQ) key is pressed to store the desired equalizer curve.
⑤ Equalizer Presence Indicator.
⑥ Lights when the EQUALIZER switch is set to "ON". Lights when the EQUALIZER switch is set to "DEFEAT".
⑦ This indicator lights when EQ REC (equalizer recording) is engaged for Tape 1.
⑧ Lights when the SURROUND ON/OFF switch is pressed.
⑨ Lights when the MC cartridge is selected.
⑩ Lights when the CATV switch is pressed.
⑪ This displays the "L" or "H" seek level in FM mode.
⑫ This displays the input mode, preset channel, station name, front volume level, rear level balance, surround mode, EQ preset channel and music genre.
⑬ Lights when the MEMORY key is pressed. Blinks when the AUTO MEMORY key is pressed.
⑭ Displays preset music genre selected at music select mode, and all of the preset broadcast station channels which are in the Preset indicator at preset indicator mode.
⑮ Indicates the left and right volume balance.
⑯ Displays the volume level, also displays rear volume level during flashing the REAR indicator.
⑰ Flashes when the REAR LEVEL controls is pressed.
⑱ Flashes when the MUTING key is pressed.
⑲ When the Music Select key and MUSIC GENRE key are pressed, the "MUSIC SELECT" and one of the music genre indicators light.
⑳ "1-10"or "11-20" lights according to the selection of the preset function keys.
㉑ In tuner mode, lights when a station is tuned in.
㉒ In tuner mode, lights when a stereo broadcast is tuned in.
㉓ Displays the digital frequency display.
㉔ Lights during auto tuning.
㉕ Displays the tuner band "FM" or "AM".
㉖ Lights when the TAPE-2 key is pressed.
㉗ Display the VIDEO dubbing mode, VIDEO monitor out mode, EQ REC mode or through dubbing mode displays.
㉘ Lights when the AUDIO INJECTION is pressed.
㉙ Lights when the PGM/SET key is set to "PGM".
㉚ Lights when the PGM/SET key is set to "SET".

# Operating instructions

### Listening to AM/FM and CATV broadcast

1. Press the Power switch to ON.
2. Press the TUNER key of the input selector.
3. Select FM or AM of the band (FM/AM) selector.
4. Press both keys FM of the band selector and CATV key; when listen to a broadcasting of the CATV.
5. Select also AUTO or MANUAL mode of the tuning mode key.

### Auto tuning

1. Press the AUTO/MANUAL (MONO) key to set to "AUTO".
2. Press the UP or DOWN TUNING key: The frequency will automatically increase or decrease until a station with sufficient signal level is received. To stop the frequency scanning before a station is received, press the AUTO/MANUAL key to set to "MANUAL".
3. Adjust the VOLUME control to the required listening level and use the graphic equalizer control to adjust the sound to your own preference.

### Manual tuning

1. Press the AUTO/MANUAL (MONO) key to set to "MANUAL".
2. Press the UP/DOWN TUNING key to tune in the desired station.
   To continuously increase or decrease frequencies, hold the TUNNING key depressed.
3. Adjust the VOLUME control to the required listening level and use the graphic equalizer control to adjust the sound to your own preference.

### Direct tuning

1. Select FM or AM with the FM, AM selector switch.
2. Press the DIRECT key.
3. Input the desired frequency with PRESET keys.
4. The receiver enters the radio reception mode just after the frequency value has been input.
   (If the input value is outside the tuning range, the frequency display flashes for 5 seconds and the receiver returns to the radio reception mode of the last channel.)

### Presetting broadcast station data

In total up to 20 stations data (station frequency, station name and music genre) can be stored in memory.

1. Select the desired station with either AUTO tuning, MANUAL tuning or DIRECT tuning.
2. Input the broadcast station name.
   For the broadcast station names, up to 4 chartacters can be input.
3. Select the music genre of the music genre selector.
   ① Press the Music Select key to ON.
   ② Press the desired music genre key.

**Note:**

When the contents in items 2 and 3 are not required for display memory, proceed to item 4 after item 1.

4. Press the preset function key to select "1-10" or "11-20".
5. Press the MEMORY key. (The MEMORY indicator lights.)
6. Press one of the numeric keys: The frequency being tuned in and the station name are stored in memory of the digit key.

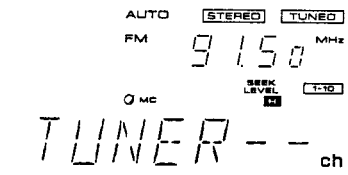
### Character input procedure

1. Press the CHARACTER button to set the character input mode. The first colum of the character display section begins flashing.
2. Press the TUNING UP/DOWN key to select the character.
3. When the desired character is displayed, press the DIGIT key.
   Flashing will shift to the next column.
4. Repeat procedure 3 and 4 for four times to complete inputting. The character input mode will be released.

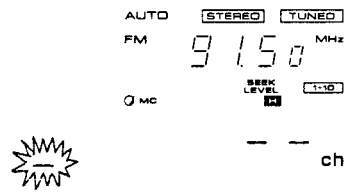
- Even in the middle of inputting, pressing the CHARACTER key again will release the character input mode. At this time, the data which has been input is valid.

Exampre 1: To preset the 91.50 MHz FM broadcast and a station name "W N Y" when the station other than the preset channel memories is received. Show the indicator flashing.

1. Tune to 91.50 MHz FM broadcast.

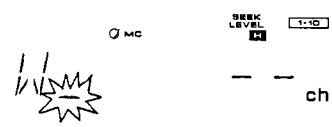



2. Press the CHARACTER key.

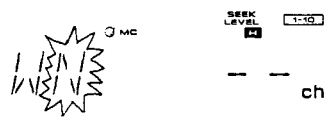



3. Press the TUNING UP button twenty-three time to select "W".
   _→A→B→C→D→E→F→G→H→I→J→K→L→M→N→O→P→Q→R→S→T→U→V→W

4. Press the DIGIT key.



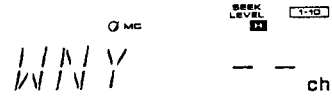

5. TUNING UP button fourteen times to select "N".
   _→A→B→C→D→E→F→G→H→I→J→K→L→M→N



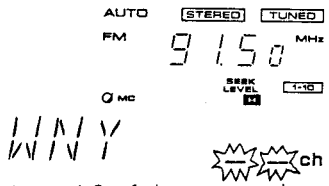
6. Press the DIGIT key.

7. TUNING UP key twenty-five times to select "Y".
__→A→B→C→D→E→F→G→H→I→J→K→L→M→N→O→P→Q→R→S→T→U→V→W→X→Y

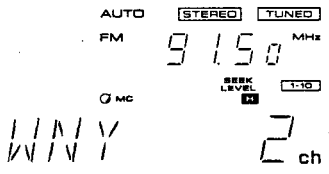
8. As the fourth column should be left blank, press the DIGIT key twice or press the CHARACTER key.



9. Press the MEMORY key.

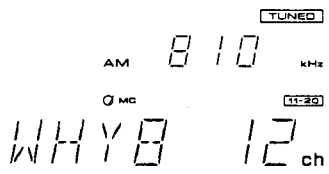


10. Press channel 2 of the preset channels

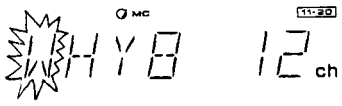


Example 2: To change the station name from "WHY8"' for 810 kHz AM broadcast memorized in 12 preset channel to "W, G, Y".

1. Recall the 12 preset channel with the PRESET 1-10/11-20 switch and the PRESET-key according to "Recalling the Preset Memory".



2. Press the CHARACTER key.



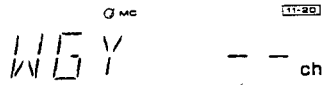
3. Press the DIGIT key to shift the flashing character to the next column since the first character "W" should be left as it is.

4. Press the TUNING (DOWN) key to select "G".
H→G

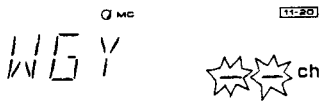
5. Press DIGIT key twice.

6. Press the TUNING key to select a blank.

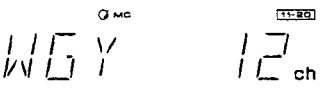
7. Press the DIGIT key or press the CHARACTER key.



8. Press the MEMORY key.



9. Press channel 12 of the preset channels.



## Listening to a preset station

1. Press the TUNER key of the INPUT SELECTOR switches.
2. Press the preset function key to select "1-10" or "11-20".
3. Press a numeric key under which memory has been preset.
4. Adjust the VOLUME control to the required listening level and use the graphic equalizer control to adjust the sound to your own preference.

**Note:**
When the channel in which no broadcast station is stored is pressed, the display is not changed and the last-received channel is received.

**Recalling to a preset station selected by music genre.**
When the MUSIC SELECT key is set to ON (with the MUSIC SELECT indicator lit in the FL display), only the music genre channels selected by the Music Genre Key are displayed in the preset indicator area.

1. Press the desired Music Genre Key. The preset channels in which the selected music genre is stored are displayed.
2. The channel of the lowest number within the displayed channels will be automatically received.

3. When more than two stations are stored in the selected music genre, pressing the Music Genre Key again will advance to the next station.
   When the MUSIC SELECT key is pressed again, the preset indicator mode will resume.

**Note:**
When no preset is memorized in the selected music genre, nothing will be displayed in the preset indicator and the last-received channel will be received.

## Listening to record playing

1. Press the PHONO key of the INPUT SELECTOR switches.
2. According to the type of phono-cartridge used, set the CARTRIDGE selector switch to appropriate position. (KR-V126R only)
3. Operate the turntable to play back a record.
4. Adjust the VOLUME control to the required listening level and use the graphic equalizer control to adjust the sound to your own preference.

## Listening to the program source connected to the CD/AUX jacks

1. Press the CD/AUX key of the INPUT SELECTOR switches.
2. Operate the component connected to the CD/AUX jacks.
3. Adjust the VOLUME control to the required listening level and use the graphic equalizer controls to adjust the sound to your own preference.

## Tape deck operation

1 Press the appropriate TAPE key of the INPUT SELECTOR switches (1 or2) to select output from a tape deck connected to the TAPE 1 or 2 jacks.
2. Operate the tape deck.
3. Adjust the VOLUME control to the required listening level and use the graphic equalizer controls to adjust the sound to your own preference.

**Note:**
When both key (TAPE-1 and TAPE-2) are pressed, TAPE-2 setting has priority.

## Recording

1. Press the appropriate key of the INPUT SELECTOR switches.
2. Set up your tape deck(s) for recording and set the recording level with the controls on your tape deck(s).
3. Adjust listening level at the unit to suit your listening preference.

### Tape dubbing

Tape recordings may be duplicated (dubbed) easily using two tape decks connected to the TAPE 1 and 2 jacks.
For example:
(TAPE 1 to 2):
1. Connect two tape decks to the TAPE 1 and TAPE 2 jacks
2. Press the TAPE 1 switch.
3. Play back the recorded tape and adjust the recording levels before starting tape dubbing.

(TAPE 2 to 1):
1. Press the TAPE 2 switch.
2. Press a key except TAPE 1 of the INPUT SELECTOR switches.
3. Play back the recorded tape and adjust the recording levels before starting tape dubbing.
4. Do not press the TAPE 1 switch during recording with tape deck 1.

**Note:**
Adjust record levels on the deck that is making the copy using that deck's operating controls.

## VIDEO deck operation

### Listening to video recorder audio sound

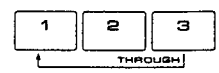
1. Press the appropriate VIDEO (1, 2 or 3) key of the INPUT SELECTOR to select output from a video recorder connected to the VIDEO (1, 2 or 3) jacks.
2. Operate the video recorder.
3. Adjust the VOLUME controls for your preference.
4. When a video monitor is connected to the VIDEO MONITOR OUT jack on the rear panel, the picture from the recorder can also be monitored.

## Dubbing between three VCRs

### Through dubbing

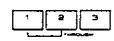
Video dubbing can be performed while listening to any desired source.

- Operate the VIDEO DUBBING switch so that

or


is displayed.

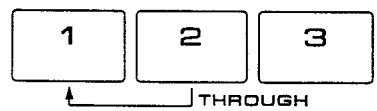
The arrow indicator lights in red.

 : In this position, direct dubbing from a VCR connected to the VIDEO 2 jacks to a VCR connected to the VIDEO 1 jacks can be performed.

: In this position, direct dubbing from a VCR connected to the VIDEO 3 jacks to a VCR connected to the VIDEO 1 jacks can be performed.

- **For example:**
  When dubbing from VIDEO 2 to VIDEO 1 while listening to record.

1. Operate the VIDEO DUBBING switch so that the



display is illuminated.

2. Press the PHONO switch of the INPUT SELECTOR switches.
3. Play back the VIDEO 2 VCR as well as set the VIDEO 1 VCR to recording mode.
4. Start record play.

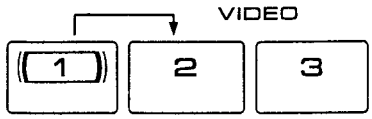
**Note:**
In the Through dubbing operation, graphic equalizer can not be applied to the recording source.

### Normal dubbing

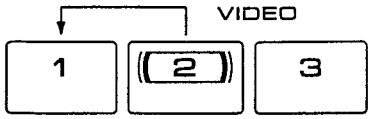
While playing back the picture and the sound, dubbing can be performed normally.
1. Operate the VIDEO DUBBING switch so the arrow mark will be illuminated white in the display.
2. Select the desired source to be dubbed from VIDEO 1 to 3 with the INPUT SELECTOR.
3. Dubbing modes (picture and sound) when each VIDEO source is selected are as follows:

Selector Dubbing mode

● VIDEO 1 VIDEO 1 → VIDEO 2

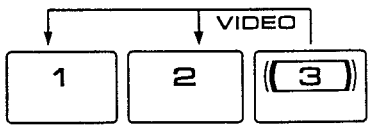



● VIDEO 2 VIDEO 2 → VIDEO 1




● VIDEO 3 VIDEO 3 → VIDEO 1*
VIDEO 3 → VIDEO 2*

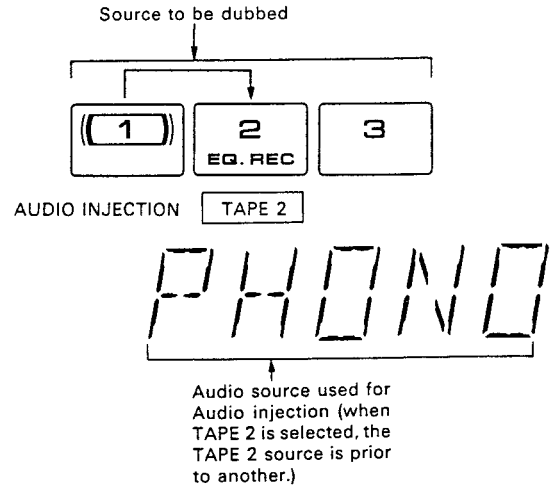
*: When VIDEO 3 is selected, simultaneous dubbing to VIDEO 1 and VIDEO 2 is possible.




4. Operate each VCR for dubbing.

**For example:**
When playing a VCR connected to VIDEO 1 jacks while dubbing to a VCR connected to VIDEO 2.
1. Set the INPUT SELECTOR to VIDEO 1.
2. Start playback the VIDEO 1 VCR as well as set the VIDEO 2 VCR to record mode.

**Audio injection**
During video dubbing, the sound from the VCR can be replaced with the desired audio source without affecting the picture.
At this, graphic equalizer can be applied to the recording audio source.
1. Press the AUDIO INJECTION switch so that the "AUDIO INJECTION" display is illuminated.
2. Select the desired source to be dubbed, from VIDEO 1 to 3 with the INPUT SELECTOR switches.
(At this time, the selected video number is lit on the VIDEO display.)
3. Select the desired audio source for Audio injection with the INPUT SELECTOR.
4. Operate each VCR for dubbing.




The EQ REC indicator lights in red when the EQ REC key is pressed.

## Graphic equalizer operation

**Normal operation**
1. Select the desired source.
2. Press the EQUALIZER key to ON.
3. Press the equalizer level control UP DOWN keys so that the equalized sound is heard from the speakers as desired.

**Preset procedure**
Use EQ PRESET key to store equalizer curves in memory or to recall them. (Five different equalizer curves can be stored.)
1. Select the desired source.
2. Press the EQUALIZER key to ON.
3. Set the your desired equalizer curve.
4. Press the MEMORY (EQ) key.
5. Press the desired EQ PRESET keys to store the equalizer curve.

**Preset operation**
The preset memory of this unit is available in two types the "PGM" memory in which the user-created desired sound response can be preset, and the "SET" memory in which the factory-preset sound equalizer curves are prepared. Use them by referring to "Characteristics of the SET preset memories".
1. Select SET or PGM.
2. Select preset key

**Characteristics of the "SET" preset memories**
A: For solid and punchy sound.
B: For effective reproduction of the dynamic movie sound.
C: For easy to listen background music.
D: For musical sound reproduction in a sense of lively
E: For reproducing the vocal music realistically.

**EQ Presence procedure**
Used when emphasizing the previously made equalizer curve momentarily.
1. Adjust these controls up and down to boost or attenuate the frequency indicated.
2. When the ▲ and ▼ displays go off, the initial condition resumes.

### EQ REC switch

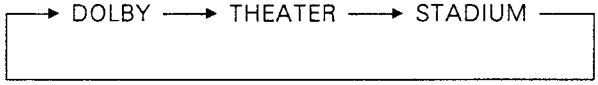
Press this switch, signals will allow equalized to be recorded on TAPE 1. If you wish to record non-equalized signals with the equalizer switch in the ON position, turn the equalizer recording switch to OFF. This will allow you to hear the equalized signals while recording non-equalized signals.

**Note:**

The equalized signal is not output at TAPE 2 REC jacks.

### Surround operation

1. Set the surround mode to On with the SURROUND ON/OFF key.
2. Select the source which is desired to be expected for surround sound effect, and play it.
3. The following surround sound effects are available with the SURROUND MODE key depending on the source to be played.




STADIUM: To obtain a lively effect with "being-there" feeling just like in a baseball or soccer stadium.

THEATER: To obtain a natural reverberation effect like in a movie theater. Use this position for pre-recorded movies which have not been recorded with Dolby Surround encoder.

DOLBY: To obtain a Dolby Surround effect only for the Dolby-encoded video programs.

4. Adjust the volume balance between the front speakers and the rear speakers by controlling the REAR VOLUME control key.

**Note:**

1. Since the SURROUND BALANCE knob located on the rear panel is set to its center position normally, it is not necessary to adjust it again. However, if the left/right balance is shifted incorrectly, first set the SURROUND mode to the DOLBY position and reproduce the monaural source to adjust so that no sound is heard from the rear speakers.
2. When the SURROUND MODE key is pressed, the selected mode is displayed for 5 seconds. Within this 5 seconds, when the surround mode is not changed, the surround mode is not switched, the selected mode is fixed and the input selector display resumes. After then, when the MODE key is pressed, the currently selected surround mode is displayed.

"DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

# System control operation

## Connection

Using the system control cord provided with the system component models as below, make connections as shown on page 5.

**The following models are available for the system control operations.**

| | |
|---|---|
| **Turntable:** | **KD-76F or KD-66F** |
| **Cassette deck:** | **KX-96W, KX-76R, KX-66CW, KX-66W, KX-95W or KX-75R** |
| **CD player:** | **DP-860, DP-760, DP-560 or DP-850** |

**Note:**

Some models provide two or three system control jacks. However, when used with this receiver, be sure to connect the system control cord to the jack having a indication of ①.

## Operation

**1. Automatic play operation**

When starting play with the turntable, cassette deck or CD player connected to the receiver, press the desired INPUT SELECTOR switch on the receiver. The turntable, cassette deck or CD player will automatically enter the play mode.

In the same way, pressing the Play key of the turntable, cassette deck or CD player will automatically switch the INPUT SELECTOR on the receiver to the equipment on which the Play key is pressed.

**2. Synchro recording**

To record the sound from the turntable or CD player onto the tape with the cassette deck, press the PLAY (START) key of the turntable or CD player. The cassette deck will start recording automatically, synchronized with the turntable or CD player starting play. For more details, refer to the instruction manual of the cassette deck.

**Note:**

During recording with the cassette deck, the INPUT SELECT on the receiver is fixed at the source from which the recording is made, by the system control circuit. At this time, pressing any of the INPUT SELECTOR keys does no function even when it is pressed.

# Operating procedure of the remote control unit (RC-126)

**Notes**

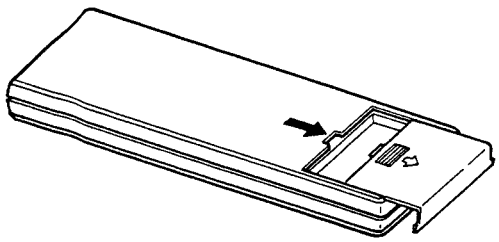
- When the power plug is connected to an AC outlet, this unit enters the power standby mode and the indicator lights. At that time, the unit can be operated only with the POWER key of remote control unit.
  First, enter the unit to the power on mode with the POWER key of remote control unit, and operate with the other keys.

**Note for remote control operation**

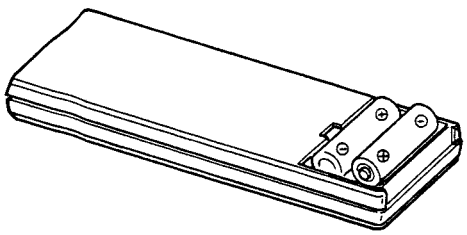
After pressing one of operation keys, when the next operation is required, press the next operation key firmly after approx. 1 second interval.
When the next operation key is pressed immediately after the previous key, it may cause misoperation.

## Installing the battery on the remote control unit

1. Remove the battery compartment cover.



2. Insert two size "AA" (R6) batteries confirming the correct polarity and close the cover in its place.



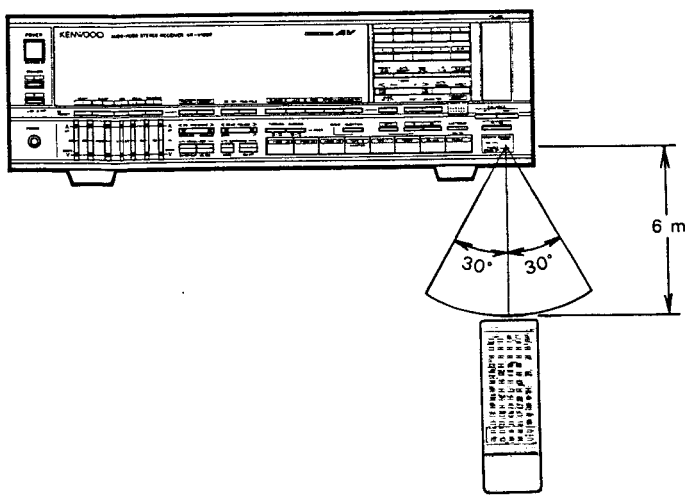
**Note:**

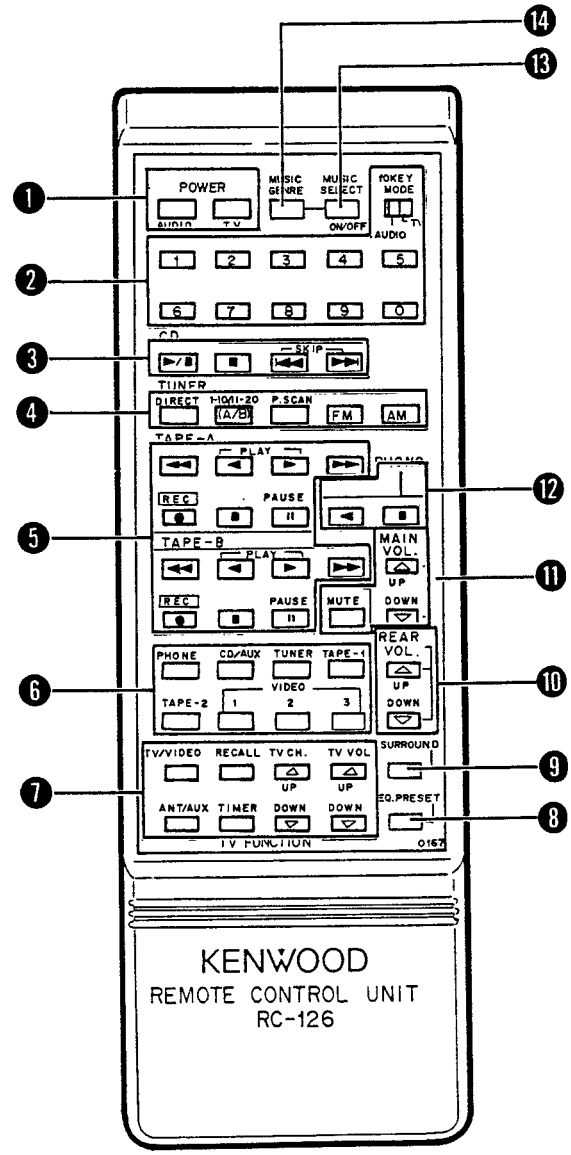
The provided batteries are to be used for operation of the remote control unit, and it may have shorter life. When the remote unit becomes effective only for shorter distance on dose not effective to operate, replace them with two new batteries.

## Usable range of remote control unit

The usable range of the remote control unit may differ on temperature, humidity or using conditions, however, it is defined approximately as shown in the figure below:

### Remote control unit operation range



**❶ POWER switch**

Press to turn the power on for whole system.

**AUDIO:** Press to turn the stereo system ON. Press again to turn the stereo system OFF.

**TV:** Press to turn the TV ON. Press again to turn the TV off. (U.S.A. only)

**❷ 10-key**

**AUDIO:** 10-key direct operation is possible only for tuner and CD player.
(For example: when "7" is pressed while listening to track No.4 of the CD player, the track No. is changed to 7.)

**TV:** 10-key direct operation is possible only for TV. Use buttons "0-9" in combination for direct channel selection regardless of any previous memory settings or functions. Generally, key in channel numbers in two digits for speedy operation. To key in lower channel numbers from 2~9, key in "0", then the channel number. (For example, to tune in channel 9 directly, key in "0", then "9", for channel 23, key in "2", then "3", etc.) (U.S.A. only)

**❸ Compact disc player (DP-860/DP-560 (DP-760)) operation keys (CD)**

**Play/pause key (▶/II)**

When this key is pressed with a compact disc loaded in the compact disc player, the disc is played. (Same function as the play key on the compact disc player.)
When this key is pressed during play, the player enters the pause mode. To release pause mode, press it again.

**Stop key (■)**

Press to cancel all operations. The pickup returns to the beginning of the first tune and the player enters the standby mode. (Same function as the stop key on the compact disc player.)

**Music skip key (▶▶I)**

Press to skip to the beginning of the next tune. The pickup is advanced to the forward tunes by the number of times it is pressed. (Same function as the music skip key on the compact disc player.)

**Music skip key (I◀◀)**

Press to return to the beginning of the current tune. Pressing it again returns the pickup to the beginning. When the key is continuously pressed, the pickup returns to the backward tunes by the number of times it is pressed. (Same function as the music skip key on the compact disc player.)

**❹ Tuner operation keys (TUNER)**

**Direct**

When this key is pressed, the unit is set to direct mode and the frequency of the desired station can directly be input using 10-key.

**1-10/11-20 (A/B)**

Each time this button is pressed, the preset station range is changed.

**P. Scan**

When this key is pressed, the preset stations are automatically received from 1 for a specified time.

**Band select keys (FM/AM)**

Select the desired band of broadcast listening.
(Same function as the band selector on the tuner.)

**❺ Cassette deck operation keys (TAPE-A/TAPE-B)**

**Note:**

When the KX-76R is used, it can be operated with the TAPE B keys.

**Stop key (■)**

Press to stop tape running.

**Rewind key (◀◀)**

Press to fast-wind the tape to the left reel.

**Fast-forward key (▶▶)**

Press to fast-wind the tape to the right reel.

**Reverse play key (◀)**

Press to start playback in reverse diretion. (Rear side playback)

**Play key (▶)**

Press to start playback in forward direction. (Front side playback)

**Pause key (II)**

Press to stop play back or recording momentarily. The function of the PAUSE key.

**Record key (REC) (●)**

Press to start recording.

**❻ Input selector keys**

**PHONO:** To listen to a source from the turntable connected to the PHONO jacks.

**CD/AUX:** To listen to a source from the CD player connected to the CD/AUX jacks, press this switch.

**TUNER:** To listen to FM, AM or CATV broadcasting.

**TAPE-1:** To listen to a source from the tape deck connected to the TAPE 1 jacks.

**TAPE-2:** To listen to a source of the tape deck, etc., connected to the TAPE 2 jacks.

**VIDEO 1:** To listen to a source from the equipment connected to the VIDEO 1 jacks, .

**VIDEO 2:** To listen to a source from video cassette recorder connected to the VIDEO 2 jacks.

**VIDEO 3:** To listen to a source from video cassette conneted to the VIDEO 3 jacks.

**❼ TV (KMT-1026, KMT-2026) operation keys (TV FUNCTION) (U.S.A. only)**

**Note:**

With the supplied remote control unit, KMT-1026, KMT-2026 (monitor TV) can be operated.

**TV/VIDEO key**

Use this key to select the type of signal that the monitor will receive: TV, VIDEO 1 or VIDEO 2.

**RECALL key**

Press the recall key and both the time and channel will be displayed continously. Press it again and they will disappear. The timer function can be utilized as well but the time will not continously be displayed.

**Preset channel (CH) UP/DOWN keys (△/▽)**

Press to recall the preset channel. When the key is pressed during listening to the preset channel station, the preset channel number is moved up or down to receive another preset channel.

**For example:**

When the DOWN key (▽) is pressed

When the UP key (△) is pressed

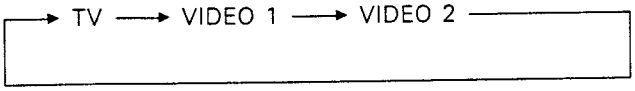
1—2—3—4—5—6—7—8—9—0

Currently received preset channel

When none of preset channel is received, pressing UP key (△) once selects the preset channel-1, and pressing the DOWN key (▽) once selects the preset channel-O.

**ANT/AUX key**

Press this key to set the ANT and AUX indicator to agree with the antenna input source.




**Note:**

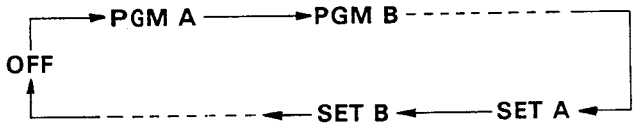
Switching between TV and VIDEO etc. described above is not related to the function of this receiver should be effectuated or the TV set.

**VOLUME keys**

Apply steady pressure to the VOLUME UP or DOWN keys, to increase or decrease the volume as desired.

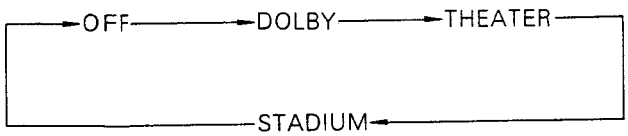
**⑧ EQ PRESET keys**

The 5 "PGM" presets and the 5 "SET" presets — total of 10 equalizer preset patterns can be recalled sequentially.




**⑨ Surround keys**

This key is used to turn the surround system ON, and to select the any desired surround mode from the 3 available modes.




**⑩ REAR VOLUME keys**

Apply steady pressure to the REAR VOLUME UP or DOWN key, to increase or decrease the volume as desired.

**⑪ MAIN VOLUME keys (UP/DOWN)**

Controls the volume of the speakers and headphones. Press the UP (△) key to increase the volume level, and press the DOWN (▽) key to decrease it.

**MUTING key:**

Press to decrease the volume level instantaneously. Pressing it again resumes the previous volume level.
When this key is pressed, volume level is decreased.
The MUTING indicator blinks.

**⑫ Turntable operation keys (PHONO)**

**Play key (◄)**

Press to start record play automatically.
For KD-66F, select the record size before starting play with this key.

**Stop key (■)**

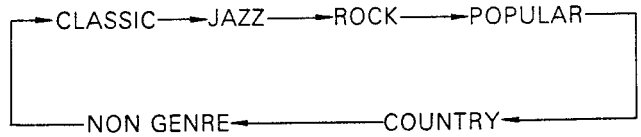
Press to stop play; the tonearm returns to the rest and the platter stops rotating.

**⑬ MUSIC SELECT ON/OFF key**

The same function as the MUSIC SELECT Key ㉟ on the main unit front panel.

**⑭ MUSIC GENRE key**

In the MUSIC SELECT mode, a specific music genre can be selected to tune in stations of that genre.
Each time the MUSIC GENRE key is pressed, the music gerne changes in cyclical order.



# In case of difficulty

If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

| Symptom | Causes | Remedy |
|---|---|---|
| No power, no sound. | 1. Power cord not plugged in.<br>2. Poor connection at wall outlet. Power outlet inactive. | 1. Check plug contact.<br>2. Check outlet using a lamp or other appliance (outlet may be controlled by a wall switch). |
| No sound from left and right. | 1. Speaker cords disconnected.<br>2. Speakers switched off. | 1. Check speaker connections.<br>2. Check speaker switch. |
| Sound from left or right, but not both. | 1. Poor speaker connections.<br>2. Defective speaker. | 1. Check connections at both ends of speaker cord.<br>2. Reverse speakers. If problem stays with speaker, have speaker checked. |
| FM broadcast too noisy. Sufficient reception is impossible. | The antenna circuit is set to the CATV position. (The CATV indicator lights in the display window.) | Press the CATV key to switch the ANT circuit from CATV to FM. Check that the CATV indicator goes off in the display. |
| ● Dubbing from TAPE 2 to TAPE 1 is impossible.<br>● Graphic equalizer recording does not function when recording on tape. | The Input Selector TAPE 1 button is pressed.<br>(The TAPE 1 indicator lights in the display.) | Switch the input selector to the source other than TAPE 1. |
| Graphic equalizer recording is impossible in the VIDEO DUBBING mode. | The AUDIO INJECTION key is not pressed ON. | Press the AUDIO INJECTION key to ON.<br>Check that the AUDIO INJECTION indicator lights up, then press the EQ REC key. |
| No sound is heard with the Speaker Selector set to the "A+B" position. | A pair of speakers is not connected to the A or B speaker terminals. | Connect the two pairs of speakers correctly to both A and B speaker terminals. Or, switch the Speaker Selector to A or B position to which the speakers are connected. |
| No sound from the rear speakers. | ● Surround switch is set to OFF.<br>● When the volume of the front speakers is set at the lower level, the volume level of the rear speakers is indicated at the further lower level.<br>● Monaural source is used. | ● Press the Surround key ON.<br>● Adjust the volume level of the rear speakers to its positive side.<br>● Change the playback source to the stereo or surround source. |
| Remote control does not function. | ● Batteries are not loaded. Or batteries are exhausted.<br>● The remote sensor is obstructed. | ● Replace the batteries with new ones.<br>● Remove the obstacle from the remote sensor. |
| **Occurs during AM reception only** | **Cause** | **Remedy** |
| High-frequency whistle especially at night. | Interference from TV set. | Turn off TV set, if problem disappears try relocating TV set. |
| Intermittent buzz or cracking sound. | Lightning.<br>Fluorescent lamps starting.<br>Appliance or furenance starting. | No remedy.<br>Try reversing AC plug.<br>Try reversing AC plug. |
| **Occurs during FM reception only** | **Cause** | **Remedy** |
| Hiss that gets worse in stereo reception. | Very weak antenna input signal. | Consider an outdoor antenna installation. In areas remote from the transmitter a 5 to 8 element antenna designed exclusively for FM is suggested. |
| Rhythmic static or popping noises. | Automobile ignition noise, especially evident when receiving weak signals. | Review antenna installation. Site the antenna as far from the street as possible and use coaxial cable. |
| STEREO indicator fails to light during stereo broadcast. | Another possible effect of a very weak signal. | Antenna system needs attention (see above). |

# Specifications

## KR-V126R

### AUDIO SECTION

**Power Output**

(Front)

**125 watts per channel minimum RMS, both channel driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.008% total harmonic distortion**

(Rear)

**5 watts per channel minimum RMS, both channel driven at 8 ohms from 70 Hz to 10 kHz with no more than 0.9 % total harmonic distortion**

(Front)

**130 watts per channel minimum RMS, both channel driven into 8 ohms at 1kHz with no more than 0.008 % total harmonic distortion**

| | |
|---|---|
| **Total Harmonic Distortion** | |
| **(20 Hz-20,000 Hz, 8 ohms)** | 0.008% at 125 W |
| **(1 kHz, 8 ohms)** | 0.002% at 125 W |
| **Intermodulation Distortion** | 0.008 % at 125 W |
| **Input Sensitivity/Impedance** | |
| **PHONO (MM)** | 3.0 mV/47 kohms |
| **PHONO (MC)** | 0.3 mV/100 ohms |
| **CD/AUX, TAPE** | 200 mV/47 kohms |
| **VIDEO** | 250 mV/47 kohms |
| **Frequency Response** | |
| **PHONO (RIAA standard Curve)** | 20 Hz – 20,000 Hz... ±0.5 dB |
| **TAPE, CD/AUX, VIDEO** | 10 Hz – 200,000 Hz... +0 dB, −3 dB |
| **Signal to Noise Ratio** | |
| **PHONO (MM)** | 82 dB |
| **PHONO (MC)** | 63 dB |
| **CD/AUX, TAPE** | 100 dB |
| **VIDEO** | 90 dB |
| **Graphic Equalizer** | |
| **Center Frequency** | 60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, 15kHz |
| **Control Range** | ±12 dB |

### VIDEO SECTION

| | |
|---|---|
| **Inputs VIDEO 1,2,3** | 1 Vp-p, 75 ohms unbalanced |
| **Outputs VIDEO 1,2** | 1 Vp-p, 75 ohms unbalanced |
| **MONITOR VIDEO OUT** | 1 Vp-p, 75 ohms unbalanced |

### FM TUNER SECTION

| | |
|---|---|
| **Tuning Frequency Range** | 87.5 MHz – 108 MHz |
| **Antenna Impedance** | 75 ohms unbalanced |
| **Usable Sensitivity** | 10.8 dBf (0.95 μV) |
| **50 dB Quieting Sensitivity** | |
| **MONO** | 14.2 dBf (1.4 μV) |
| **STEREO** | 37.2 dBf (20 μV) |
| **Signal to Noise Ratio at 65 dBf** | |
| **MONO** | 80 dB |
| **STEREO** | 74 dB |
| **Total Harmonic Distortion at 1,000 Hz** | |
| **MONO** | 0.07% |
| **STEREO** | 0.1% |
| **Frequency Response** | 30 Hz – 15,000 Hz +0.5 dB, −2 dB |
| **Stereo Separation** | 50 dB at 1,000 Hz |
| **Selectivity** | 55 dB at 400 kHz |
| **Capture Ratio** | 1.0 dB |
| **Image Rejection Ratio** | 43 dB |
| **IF Rejection Ratio** | 86 dB |
| **Spurious Rejection Ratio** | 83 dB |
| **AM Suppression Ratio** | 62 dB |

### AM TUNER SECTION

| | |
|---|---|
| **Tuning Frequency Range** | |
| **530 kHz – 1,610 kHz (with the AM tuning interval set at 10 kHz)** | |
| **531 kHz – 1,602 kHz (with the AM tuning interval set at 9 kHz)** | |
| **Usable Sensitivity** | 10 μV (400 μV/m) |
| **Signal to Noise Ratio** | 50 dB |
| **Total Harmonic Distortion** | 0.3 % |
| **Selectivity** | 25 dB |

### GENERAL

| | |
|---|---|
| **Power Consumption** | 4.5A... USA Model/400 W... others |
| **AC Outlet** | Switched × 3 (200 W) (Except for some areas) |
| **Dimensions** | 420(W) × 133(H) × 369(D) mm (16-9/16" × 5-1/4" × 14-1/2") |
| **Weight** | 10.4kg (22.9 lb) |

**Note:**

We follow a policy of continuous advancements in development. For this reason specifications may be changed without notice.

## KR-V106R

### AUDIO SECTION

**Power Output**

(Front)

**100 watts per channel minimum RMS, both channel driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.008% total harmonic distortion**

(Rear)

**5 watts per channel minimum RMS, both channel driven at 8 ohms from 70 Hz to 10 kHz with no more than 0.9 % total harmonic distortion**

(Front)

**110 watts per channel minimum RMS, both channel driven into 8 ohms at 1kHz with no more than 0.008 % total harmonic distortion**

| | |
|---|---|
| **Total Harmonic Distortion** | |
| **(20 Hz-20,000 Hz, 8 ohms)** | 0.008 % at 100W |
| **(1 kHz, 8 ohms)** | 0.002 % at 100W |
| **Intermodulation Distortion** | 0.008 % at 100 W |
| **Input Sensitivity/Impedance** | |
| **PHONO (MM)** | 3.0 mV/47 kohms |
| **CD/AUX, TAPE** | 200 mV/47 kohms |
| **VIDEO** | 250 mV/47 kohms |
| **Frequency Response** | |
| **PHONO (RIAA standard Curve)** | 20 Hz – 20,000 Hz... ±0.5 dB |
| **TAPE, CD/AUX, VIDEO** | 10Hz – 100,000 Hz... +0 dB, −3 dB |
| **Signal to Noise Ratio** | |
| **PHONO (MM)** | 82 dB |
| **CD/AUX, TAPE** | 100dB |
| **VIDEO** | 90 dB |
| **Graphic Equalizer** | |
| **Center Frequency** | 60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, 15kHz |
| **Control Range** | ±12 dB |

### VIDEO SECTION

| | |
|---|---|
| **Inputs VIDEO 1,2,3** | 1 Vp-p, 75 ohms unbalanced |
| **Outputs VIDEO 1,2** | 1 Vp-p, 75 ohms unbalanced |
| **MONITOR VIDEO OUT** | 1 Vp-p, 75 ohms unbalanced |

### FM TUNER SECTION

| | |
|---|---|
| **Tuning Frequency Range** | 87.5 MHz – 108 MHz |
| **Antenna Impedance** | 75 ohms unbalanced |
| **Usable Sensitivity** | 10.8 dBf (0.95 μV) |
| **50 dB Quieting Sensitivity** | |
| **MONO** | 14.2 dBf (1.4 μV) |
| **STEREO** | 37.2 dBf (20 μV) |
| **Signal to Noise Ratio at 65 dBf** | |
| **MONO** | 80 dB |
| **STEREO** | 74 dB |
| **Total Harmonic Distortion at 1,000 Hz** | |
| **MONO** | 0.07 % |
| **STEREO** | 0.1 % |
| **Frequency Response** | 30 Hz – 15,000 Hz +0.5 dB, −2 dB |
| **Stereo Separation** | 50 dB at 1,000 Hz |
| **Selectivity** | 55 dB at 400 kHz |
| **Capture Ratio** | 1.0 dB |
| **Image Rejection Ratio** | 43 dB |
| **IF Rejection Ratio** | 86 dB |
| **Spurious Rejection Ratio** | 83 dB |
| **AM Suppression Ratio** | 62 dB |

### AM TUNER SECTION

| | |
|---|---|
| **Tuning Frequency Range** | |
| **530 kHz – 1,610 kHz (with the AM tuning interval set at 10 kHz)** | |
| **531 kHz – 1,602 kHz (with the AM tuning interval set at 9 kHz)** | |
| **Usable Sensitivity** | 10 μV (400 μV/m) |
| **Signal to Noise Ratio** | 50 dB |
| **Total Harmonic Distortion** | 0.3 % |
| **Selectivity** | 25 dB |

### GENERAL

| | |
|---|---|
| **Power Consumption** | 4 A... USA Model<br>300 W... Others |
| **AC Outlet** | Switched × 3 (200 W) (Except for some areas) |
| **Dimensions** | 420(W) × 133(H) × 369(D) mm (16-9/16" × 5-1/4" × 14-1/2") |
| **Weight (Net)** | 10.1 kg (22.3 lb) |

**Note:**

We follow a policy of continuous advancements in development. For this reason specifications may be changed without notice.

## KR-V86R

## AUDIO SECTION

**Power Output**

**80 watts per channel minimum RMS, both channel driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.008% total harmonic distortion**

**90 watts per channel minimum RMS, both channel driven at 8 ohms at 1kHz with no more than 0.008 % total harmonic distortion**

| | |
|---|---|
| **Total Harmonic Distortion** | |
| **(20 Hz-20,000 Hz, 8 ohms)** | 0.008 % at 80 W |
| **(1 kHz, 8 ohms)** | 0.002 % at 80 W |
| **Intermodulation Distortion** | 0.008 % at 80 W |
| **Input Sensitivity/Impedance** | |
| **PHONO (MM)** | 3.0 mV/47 kohms |
| **CD/AUX, TAPE** | 200 mV/47 kohms |
| **VIDEO** | 250 mV/47 kohms |
| **Frequency Response** | |
| **PHONO (RIAA standard Curve)** | 20 Hz – 20,000 Hz... ±0.5 dB |
| **TAPE, CD/AUX, VIDEO** | 10 Hz – 100,000 Hz... +0 dB, −3 dB |
| **Signal to Noise Ratio** | |
| **PHONO (MM)** | 73 dB |
| **CD/AUX, TAPE** | 100 dB |
| **VIDEO** | 90 dB |
| **Graphic Equalizer** | |
| **Center Frequency** | 60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, 15 kHz |
| **Control Range** | ±12 dB |

## VIDEO SECTION

| | |
|---|---|
| **Inputs VODEO 1,2,3** | 1Vp-p, 75 ohms unbalanced |
| **Outputs VIDEO 1,2** | 1 Vp-p, 75 ohms unbalanced |
| **MONITOR VIDEO OUT** | 1 Vp-p, 75 ohms unbalanced |

## FM TUNER SECTION

| | |
|---|---|
| **Tuning Frequency Range** | 87.5 MHz – 108 MHz |
| **Antenna Impedance** | 75 ohms unbalanced |
| **Usable Sensitivity** | 10.8 dBf (0.95 μV) |
| **50 dB Quieting Sensitivity** | |
| **MONO** | 14.2 dBf (1.4 μV) |
| **STEREO** | 37.2 dBf (20 μV) |
| **Signal to Noise Ratio at 65 dBf** | |
| **MONO** | 80 dB |
| **STEREO** | 74 dB |
| **Total Harmonic Distortion at 1,000 Hz** | |
| **MONO** | 0.07 % |
| **STEREO** | 0.1 % |
| **Frequency Response** | 30 Hz – 15,000 Hz + 0.5 dB, −2 dB |
| **Stereo Separation** | 50 dB at 1,000 Hz |
| **Selectivity** | 55 dB at 400 kHz |
| **Capture Ratio** | 1.0 dB |
| **Image Rejection Ratio** | 43 dB |
| **IF Rejection Ratio** | 86 dB |
| **Spurious Rejection Ratio** | 83 dB |
| **AM Suppression Ratio** | 62 dB |

## AM TUNER SECTION

| | |
|---|---|
| **Tuning Frequency Range** | |
| **530 kHz – 1,610 kHz (with the AM tuning interval set at 10 kHz)** | |
| **531 kHz – 1,602 kHz (with the AM tuning interval set at 9 kHz)** | |
| **Usable Sensitivity** | 10 μV/(400μV/m) |
| **Signal to Noise Ratio** | 50 dB |
| **Total Harmonic Distortion** | 0.3 % |
| **Selectivity** | 25 dB |

## GENERAL

| | |
|---|---|
| **Power Consumption** | 3.5A... USA Model/200W... Others |
| **AC Outlet** | Switched × 3 (200 W) (Except for some areas) |
| **Dimensions** | 420(W) × 133(H) × 369(D)mm (16-9/16"×5-1/4"×14-1/2") |
| **Weight (Net)** | 9.5 kg (20.9 lb) |

**Note:**

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**(IHF'66)**

KENWOOD